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Sheet 1 of 6

Form PTO-1449 <i>QIPE 1482</i> APR 11 2006 U.S. PATENT AND TRADEMARK OFFICE		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-058		SERIAL NO. 10/698,579	
		LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Yuichi Iikubo, et al			
				FILING DATE October 31, 2003		GROUP 1621	
U.S. PATENT DOCUMENTS							
Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	1,132,636	03/1915	Taylor, et al			
	AB	1,926,395	09/1933	T. Midgley, Jr.			
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	AD	2,021,981	11/1935	Bichowsky			
	AE	2,413,696	01/1947	Downing, et al			
	AF	2,456,028	12/1948	Simons			
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	AH	3,080,430	03/1963	Cohen			
	AI	3,479,286	11/1969	Gambaretto, et al			
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	AK	3,715,438	02/1973	Huggett			
	AL	3,822,207	07/1974	Howard, et al			
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	AN	4,014,799	03/1977	Owens			
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	AQ	4,446,923	05/1984	Martin			
	AR	4,459,213	04/1972	Uchida, et al			
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	AT	4,810,403	03/1989	Bivens, et al			
	AU	4,826,610	05/1989	Thacker			
	AV	4,851,595	07/1989	Gumprecht			
EXAMINER <i>SJL</i>	DATE CONSIDERED <i>4/27/05</i>						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant							

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
PC3-010SERIAL NO.
09/966,158LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT: Yulchi Iikubo, et al

FILING DATE
September 28, 2001GROUP
1621

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Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	4,937,398	06/1990	Tung, et al			
	AB	4,945,119	07/1990	Smits, et al			
	AC	4,954,271	09/1990	Green			
	AD	5,040,609	08/1991	Dougherty, et al			
	AE	5,084,190	01/1992	Fernandez			
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	AM	CA 902590A	08/1962	Canada			
	AN	EP 0 039 471 A1	11/1981	Europe			
	AO	EP 0 253 410	01/1998	EPO			
	AP	EP 0 383 443 A2	08/1990	Europe			
	AQ	EP 0 434 409 A	06/1991	Europe			
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	AS	EP 0 570 367 B1	11/1993	Europe			
	AT	RU 2068718 C1	08/1990	Russia			
	AU	1,546,505	09/1970	Germany			

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DATE CONSIDERED

4/27/06

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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Yulchi Iikubo, et al					
		FILING DATE September 28, 2001		GROUP 1621			
FOREIGN PATENT DOCUMENTS, CONT.							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
AA	WO 91/02564	03/1991	WIPO				
AB	WO 91/04766	04/1991	PCT				
AC	WO 91/12853	09/1991	PCT				
AD	WO 98/37043	08/1998	PCT				
AE	WO 03/029173	04/2003	PCT				
AF	GB 1,132,636	11/1968	Great Britain				
AG	JP 51034595	09/1974	Japan				
AM	JP 57-93070-A	06/1982	Japan				
AN	Laid Open Hei 1-115999	05/1989	Japan				
AJ	Sho 50-50864 (Laid Open Sho 51-131100)	04/1975	Japan				
AK	Laid Open Hei 4-96770	03/1992	Japan				
AL	Sho 52-25679	07/1977	Japan				
AM	Sho 48-19093	03/1973	Japan				
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EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>4/28/06</i>						
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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Yuichi Iikubo, et al		
		FILING DATE September 28, 2001	GROUP 1621	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)				
	AA	McFarland, Mack, "Chlorofluorocarbons and ozone", 1989, <i>Environ. Sci. Technol.</i> , Vol. 23, No. 10, pp. 1203-1207		
	AB	Malcomb, J.E., "Report 1177 Interim Report Vaporizing Fire Extinguishing Agents", August 1950, <i>Engineer Research and Development Laboratories, Petroleum and Distribution Branch</i> pp. 1-90		
	AC	Wuebbles, Donald J., "The Relative Efficiency of a Number of Halocarbons for Destroying Stratospheric Ozone", January 1981, <i>Lawrence Livermore National Laboratory, University of California</i> pp. 1-11		
	AD	Wuebbles, Donald J., "Chlorocarbon Emission Scenarios: Potential Impact on Stratospheric Ozone", February 1983, <i>Journal of Geophysical Research</i> , Vol. 88, No. C2, pp. 1433-1443		
	AE	Molina, et al., "Ultraviolet Absorption Cross Sections of Several Brominated Methanes and Ethanes of Atmospheric Interest", February 1982, <i>J. Phys. Chem.</i> , 1982, 86, 2672-2676		
	AF	The United Nations Environment Program, Montreal Protocol Assessment, Technology Review, Report of the Halons Technical Options Committee, June 1989, Draft for Peer Review		
	AG	Larsen, Eric R., "Halogenated Fire Extinguishants: Flame Suppression by a Physical Mechaism?", 1975, <i>Halogens Research Laboratory, The Dow Chemical Corporation, Midland, Michigan</i> pp. 376-402		
	AH	Belles, Frank E., "Chemical Action of Halogenated Agents in Fire Extinguishing", 1955, <i>National Advisory Committee for Aeronautics</i> , Technical Note 3565, pp. 1-30		
	AI	Kauschka, Von Gunther, et al., "Calculation of thermodynamic substance data and reaction balance with poly and perhalogen hydrocarbons", October 1976, <i>Chemistry Section of the Humboldt University in Berlin</i> Vol. 10, pp. 1-22 (translated)		
	AJ	Moore, Jeanne P., et al., "Halon Alternatives Extinguishment Testing", 1989, <i>Center for Technologies to Protect Stratospheric Ozone, New Mexico Engineering Institute, University of New Mexico, Albuquerque, New Mexico</i> , presented at the International Conference on CFC & Halon Alternatives, October 10-11, 1989, Washington, D.C. pp. 1-8		
	AK	Smart, B.E., "Fluorocarbons", 1983, <i>The Chemistry of Functional Groups Supplement D</i> , Chapter 14, pp. 603-655		
	AL	Chemical Encyclopedia, "Bolshaya Rossiiskaya Entsiklopedia" Moscow, 1992, <i>Scientific Publishing House</i> , Vol. 3, Med-Pol		
	AM	The United Nations Environment Program, Montreal Protocol Assessment, Technology Review, Final Report of the Halons - Technical Options Committee, August 1989		
	AN	Reid, Robert C., "The properties of gases and liquids", 1987, pp. 153-157		
	AO	"Part IV The Evolution of the Montreal Protocol", 1987, Section 4.1 and 4.2, pp. 265-275		
	AP	Hynes, Robert G., et al., "Shock-Tube Study of the Pyrolysis of the Halon Replacement Molecule CF ₃ CHFCF ₃ ", 1999, <i>J. Phys. Chem. A</i> , Vol. 103, pp. 5461		
	AQ	Joint Assessment of Commodity Chemicals No. 24 Pentafluoroethane (HFC 125), (ECETOC) May 1994, pp. 1420		
	AR	Kubota, Kazuo, "Current State and Measures Related to Chlorofluorocarbon Regulations, Part I", 1989, <i>Valqua Review</i> , Vol. 33, No. 2, pp. 1-18 (English translation - pp. 1-18)		
	AS	Malcolm, J.E., "Halogenated Extinguishing Agents", Part II Research at the Corps of Engineers' Laboratories 1951, <i>NFPA Quarterly</i> , pp. 119-131		
	AT	Nelson, Thomas P., "Findings of the Chlorofluorocarbon Chemical Substitutes International Committee", April 1988, <i>U.S. Environmental Protection Agency, Air and Energy Engineering Research Laboratory EPA/600/9-88/009</i> , pp. i-KG		
	AU	Smart, Bruce E., <i>Fluorinated Organic Molecules</i> 1986, Molecular Structure and Energetics, Vol. 3, pp. 141, 152		
	AV	Tominaga, Takeshi, "Global and Technical Countermeasures Against Flor", 1989, <i>The Nikkan Kogyo Shinbun, Ltd.</i> , pp. 134-137, 156-163, 170-174 (English translation)		
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		FILING DATE September 28, 2001	GROUP 1621	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)				
	A ^M	Index to Decisions and Annexes of the Parties to the Montreal Protocol, Helsinki Meeting, p. 79128, 241, 1989.		
	A ^B	Marshal Sittig, Chemical Process Monograph No. 22, Fluorinated Hydrocarbons and Polymers, 1966, page 13.		
	A ^C	McLinden, Ph.D, Didion, Ph.D, "Quest for Alternatives", Ashrae Journal, December 1987, pgs. 68-78.		
	A ^D	National Fire Protection Association, NFPA 2001 "Clean Agent Fire Extinguishing Systems" pps. 20041 and 2001-14		
	A ^E	Creitz, Journal of Research of the National Bureau of Standard, Vol. 55A, No. 4, pp. 389-396 (1961).		
	A ^F	Simons, Fire Extinguishing Agents, in H.G. Bryce, Industrial Aspects of Fluorine Chemistry, at pages 35-58, Vol. 5 of Hudlicky, Milos, Chemistry of Organic Fluorine Compounds (1962).		
	A ^G	R. Hirst and K. Booth, Measurement of Flame-Extinguishing Concentrations, Fire Technology, Vol. 13(4): 296-315 (1977).		
	A ^H	Final Report on Extinguishing Agents for the Period September 1, 1947 to June 30, 1950 Covering Research Conducted by Purdue Research Foundation and the Department of Chemistry, Purdue University, Contract W44-009-engr 507, Army Engineers Research and Development Laboratories, Fort Belvoir.		
	A ^I	Research at the Corps of Engineers Laboratories, Halogenated Extinguishing Agents, NPA Quarterly pgs. 118-131, (October, 1951).		
	A ^J	Decision of the Technical Board of Appeal Regarding European Patent No. 0439579, November 14, 2001.		
	A ^K	Banks, Findings of the Chlorofluorocarbon Chemical Substitutes International Committee, Appendix A: summary Report A-1-A-5, 05/1987.		
	A ^L	Hogue, Cheryl, "Substitutes for Halons: No One Chemical Suitable", Int'l. Environment Reporter, Nov. 21, 1990, pp. 493-495.		
	A ^M	Federal Register Vol. 58, No. 90, May 12, 1993, pp. 28136-28149 and 28176-28185.		
	A ^N	'FM-2000, The New Solution for Fire Protection', June, 1993, 11 pages.		
	A ^O	Moore, P.E., "Fluorocarbon Halon Alternatives", Fire Safety Engineering, 1997, 3 pages.		
	A ^P	Hampson, Roger D., "The Success of FM2000", Fire Safety Engineering, Vol. 2, No. 1, 1995, pgs. 21-23.		
	A ^Q	'Kiddie FM-2000 Fire Suppression Systems', May 1994, 2 pages		
	A ^R	'Real-Scale Halon Replacement Testing', CFC/Halon News, March 1996, one page		
	A ^S	FM-2000 Waterless Fire Protection for Marine Applications, 2003, 8 pages		
EXAMINER	DATE CONSIDERED <i>11/27/06</i>			
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OTHER REFERENCES, CONT. (including Author, Title, Date, Pertinent Pages, Etc.)				
	A1	Burkland, Robert E., "When It Comes to Fire Protection - Speed Counts," Automotive Industry Agenda, March 2002, one page		
	A2	Mike Bennett, "Halon Replacement for Aviation Systems," International CFC and Halon Alternatives Conference, September 29 through October 1, 1992, Washington, D.C., pages 667-672		
	A3	Thornton, Al, "FM-200, A Unique Fire Fighting Agent," 1997 Taipei International Conference on Ozone Layer Protection, December 10, 1997, 10 pages		
	A4	The Appeal Decision in invalidation action for Patent No. 2580075, 10 pages (translation)		
	A5	International Fire Protection, "Great Lakes Chemical Corporation - Company Profile," An MDM Publication, Issue 4, Nov/Dec 2000, 4 pages		
	A6	http://www.e1.greatlakes.com/wfp/product/lsp/articles.jsp "Airports and Satellite Installations Protected by FM200®," "Healthcare Facilities Protected by FM200® Waterless Fire Protection Systems," "Museums and Cultural Landmarks protected by FM-200®," and "Casino Properties Protected by FM200®."		
	A7	Nimitz, et al., "Halocarbons as Halon Replacements: Technology Review and Initiation," New Mexico Engineering Research Institute, University of New Mexico, Final Report, March 1991, 141 pages		
	A8	"A Review of the Toxic and Asphyxiating Hazards of Clean Agent Replacements for Halon 1301," A Report by the Halon Alternatives Group, February 1995, 22 pages		
	A9	Hart-Winchester, "A Burning Issue: What Products Will Replace Halon 1301?" The Computer Operations Manager, March/April 1995, pages 13-18		
	A10	Maranghides, et al., "Discharge System Modifications: Real Scale Halon 1301 Replacement Testing," Halon Options Technical Working Conference, Albuquerque, New Mexico, May 79, 1996, 12 pages		
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